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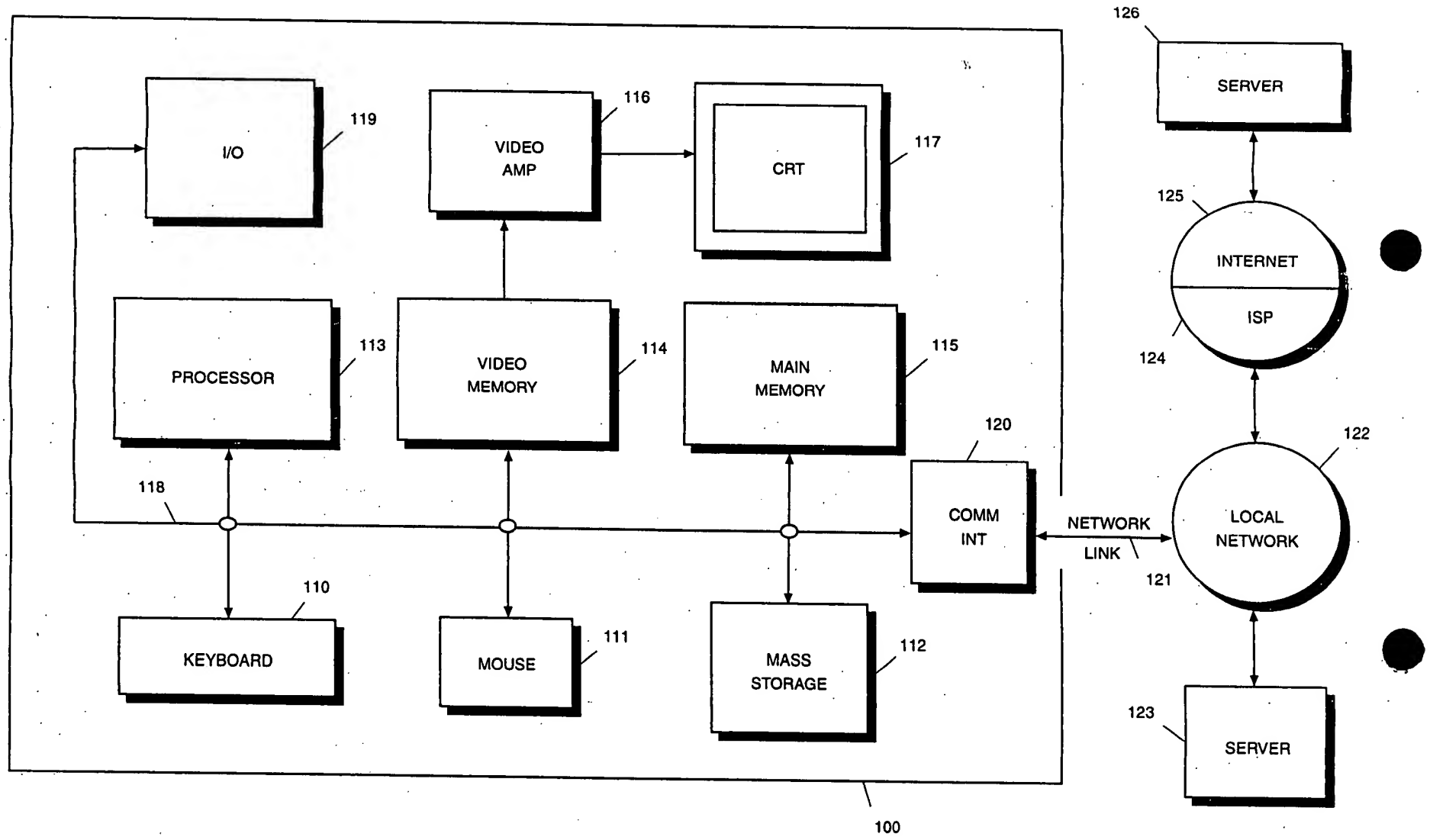

FIGURE 1

FIGURE 2

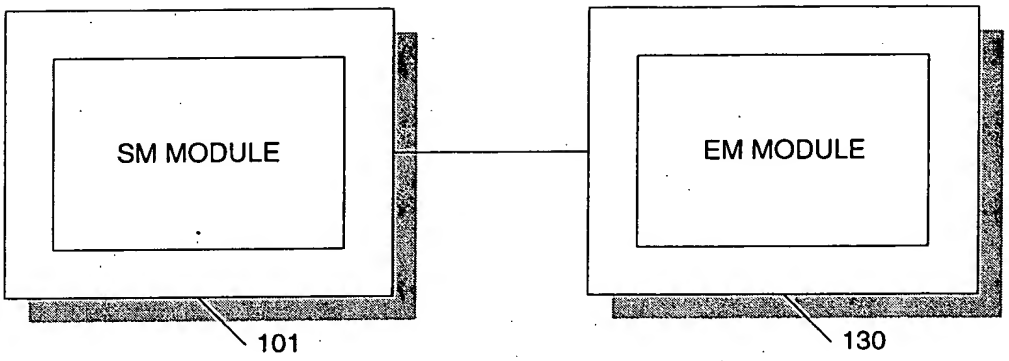

Figure 3

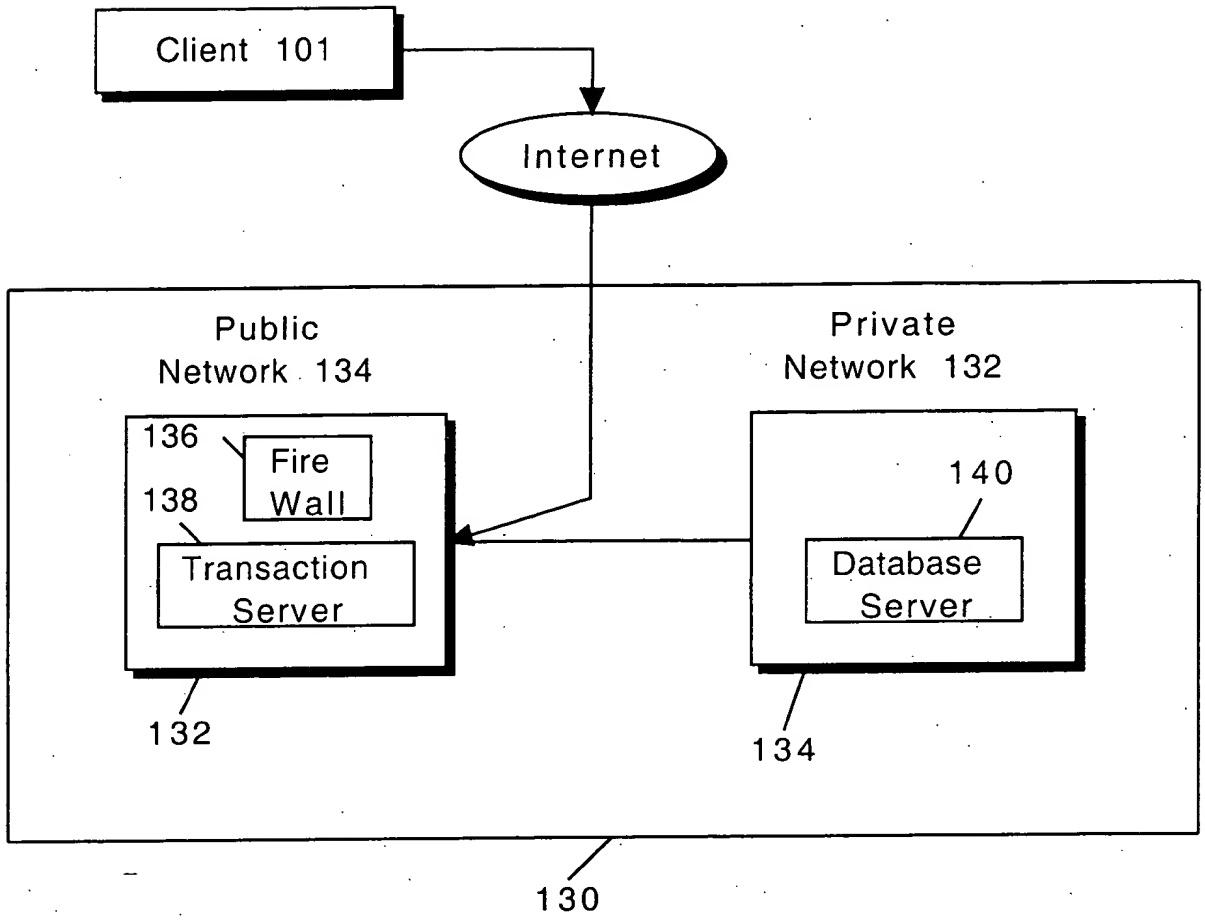

Figure 4

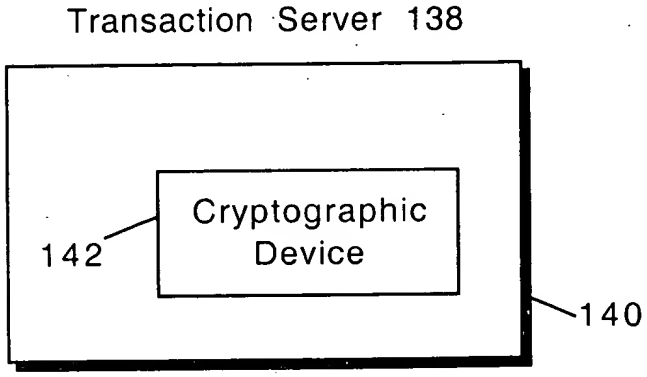

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FIGURE 5

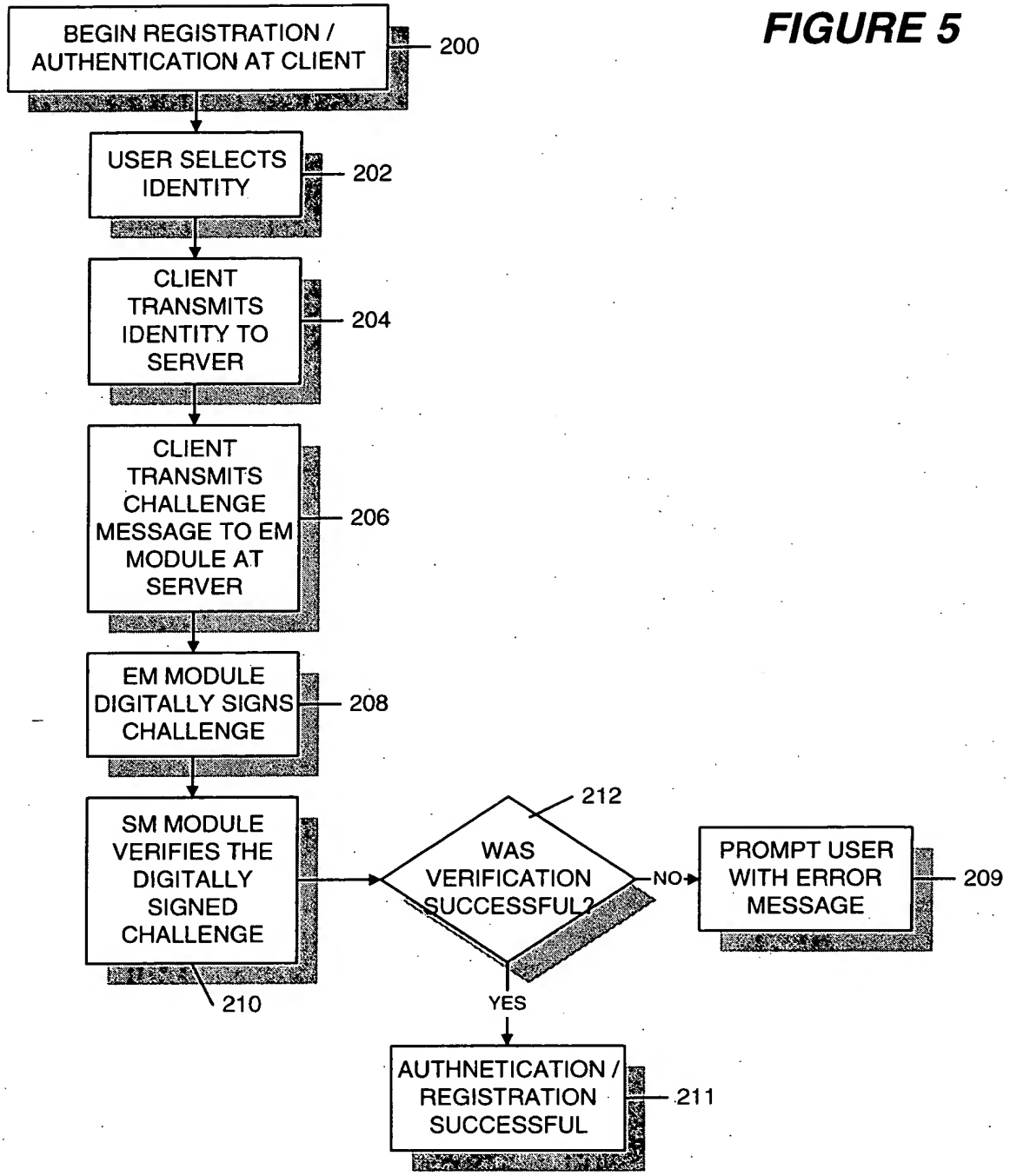


FIGURE 6

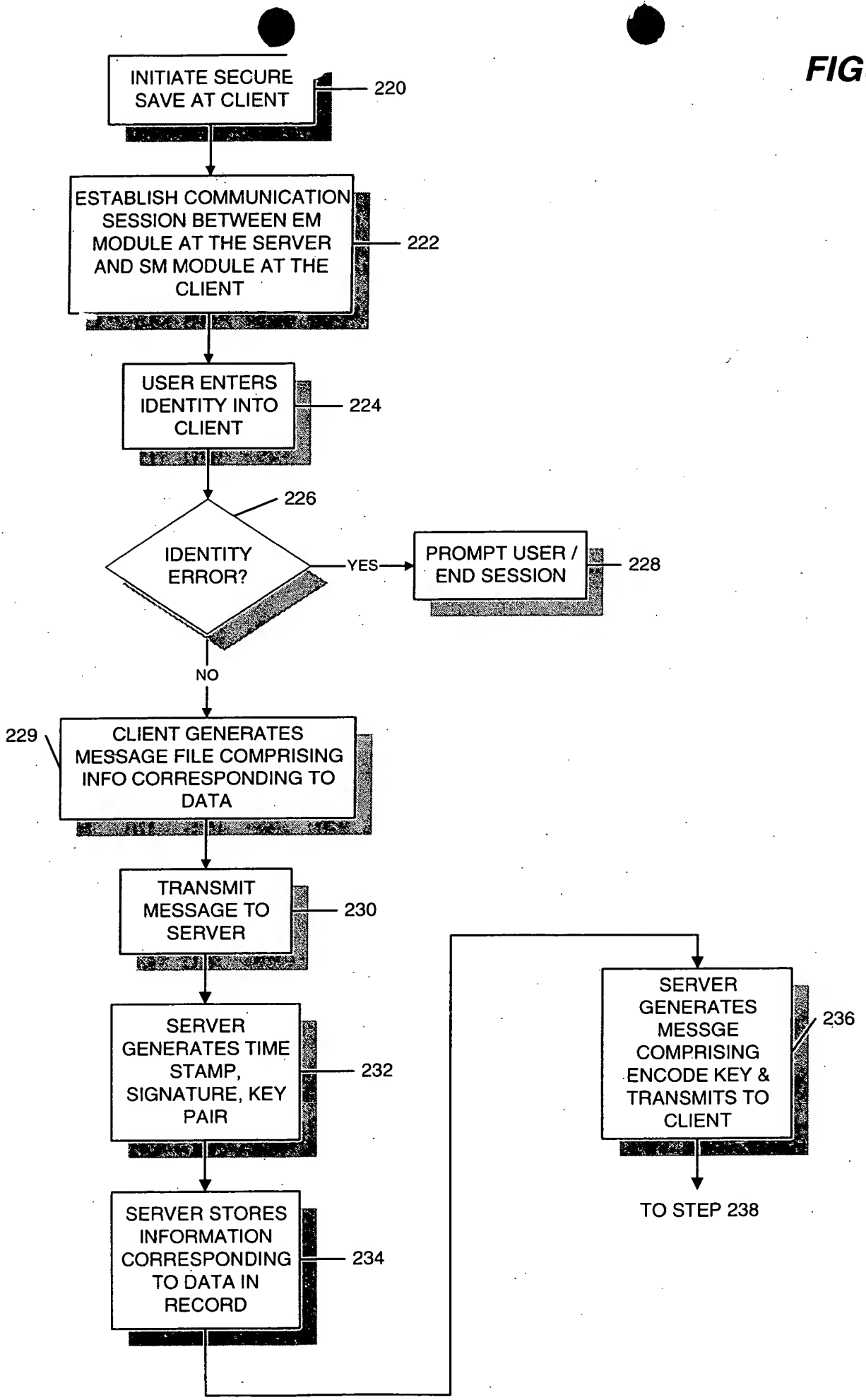

INITIATE SECURE SAVE AT CLIENT
220
ESTABLISH COMMUNICATION SESSION BETWEEN EM MODULE AT THE SERVER AND SM MODULE AT THE CLIENT
222
USER ENTERS IDENTITY INTO CLIENT
224
226
IDENTITY ERROR?
YES
PROMPT USER / END SESSION
228
NO
229
CLIENT GENERATES MESSAGE FILE COMPRISING INFO CORRESPONDING TO DATA
TRANSMIT MESSAGE TO SERVER
230
SERVER GENERATES TIME STAMP, SIGNATURE, KEY PAIR
232
SERVER STORES INFORMATION CORRESPONDING TO DATA IN RECORD
234
SERVER GENERATES MESSGE COMPRISING ENCODE KEY & TRANSMITS TO CLIENT
236
TO STEP 238

FIGURE 7

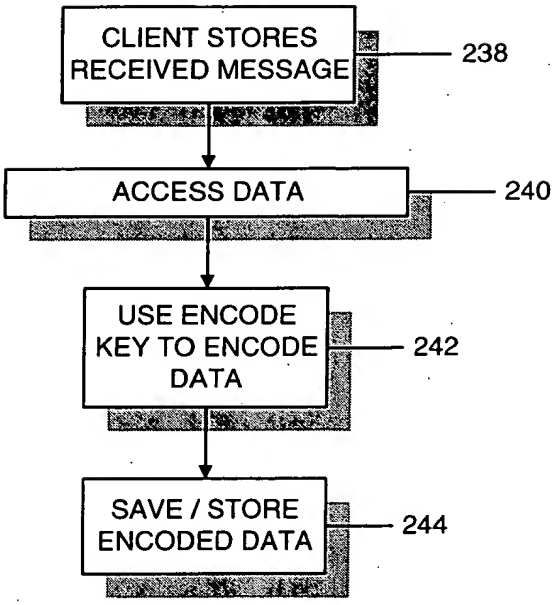

CLIENT STORES RECEIVED MESSAGE
238
ACCESS DATA
240
USE ENCODE KEY TO ENCODE DATA
242
SAVE / STORE ENCODED DATA
244

FIGURE 8

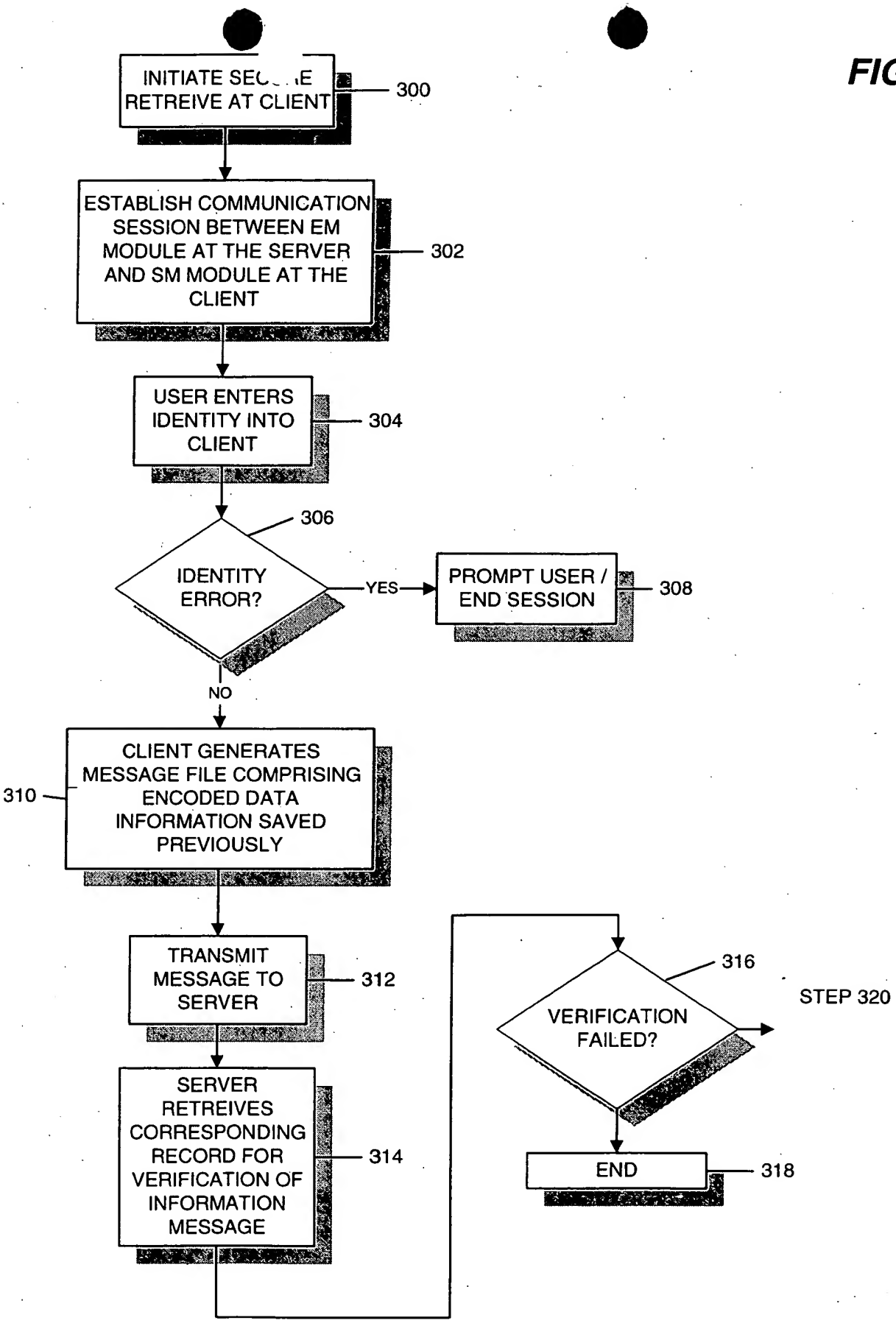
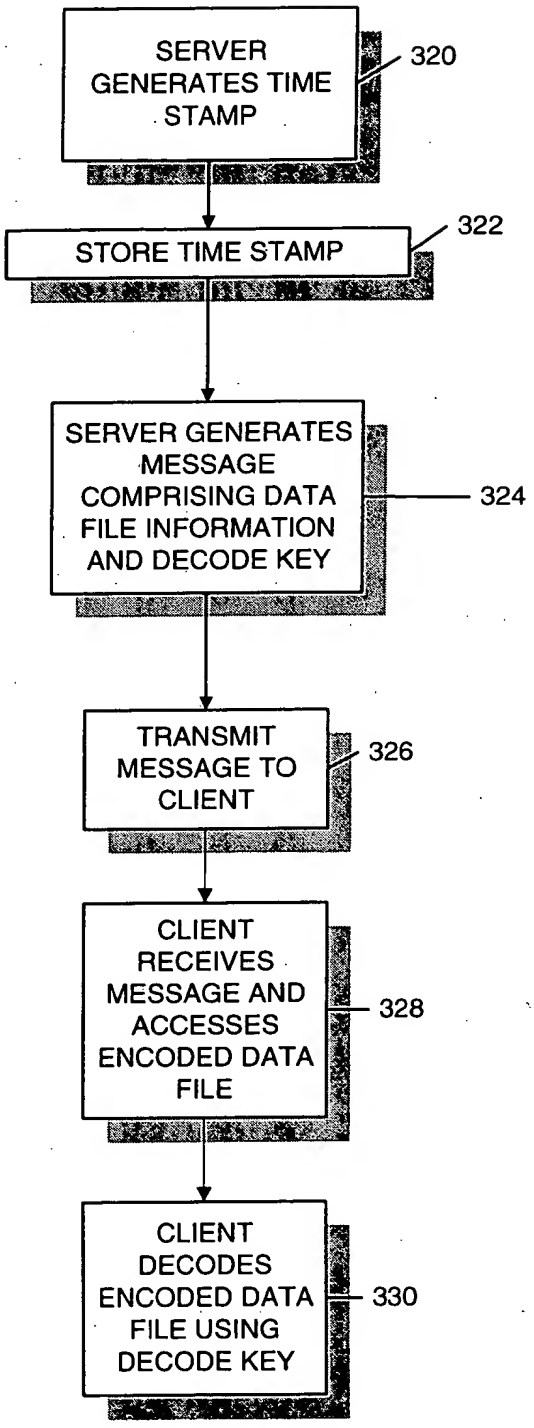

INITIATE SEC..E RETREIVE AT CLIENT
300
ESTABLISH COMMUNICATION SESSION BETWEEN EM MODULE AT THE SERVER AND SM MODULE AT THE CLIENT
302
USER ENTERS IDENTITY INTO CLIENT
304
306
IDENTITY ERROR?
YES
PROMPT USER / END SESSION
308
NO
CLIENT GENERATES MESSAGE FILE COMPRISING ENCODED DATA INFORMATION SAVED PREVIOUSLY
310
TRANSMIT MESSAGE TO SERVER
312
SERVER RETREIVES CORRESPONDING RECORD FOR VERIFICATION OF INFORMATION MESSAGE
314
316
VERIFICATION FAILED?
STEP 320
END
318

FIGURE 9


SERVER GENERATES TIME STAMP
320
STORE TIME STAMP
322
SERVER GENERATES MESSAGE COMPRISING DATA FILE INFORMATION AND DECODE KEY
324
TRANSMIT MESSAGE TO CLIENT
326
CLIENT RECEIVES MESSAGE AND ACCESSES ENCODED DATA FILE
328
CLIENT DECODES ENCODED DATA FILE USING DECODE KEY
330